

Technical data sheet for NOVATHERM 2FR

PRODUCT DESCRIPTION

NOVATHERM 2FR is a white, halogen free, waterborne intumescent paint.

SPECIAL PROPERTIES

NOVATHERM 2FR is an intumescent paint that foams into a thick layer when exposed to high temperatures derived from flames or intensive heat radiation from fire. The porous layer of foam effectively extinguishes the flow of heat to the treated surface. NOVATHERM 2FR should be sealed with approved topcoat, when used in areas with constant air humidity higher than 75% or when a washable surface is required.

FIELD OF APPLICATION

NOVATHERM 2FR is used for fire protection of structural timber works, fireclass R30-R60.

NOVATHERM 2FR is offered in flat white, but can on request be delivered in light pastel tone.

APPLICATION

The surface that is to be painted with NOVATHERM 2FR must be untreated and free from dust and grease. Certain kinds of fatty wood, e.g. teak, should undergo a test coating of a small area to determine the adhesion. Application should be avoided at temperatures below +10°C. The paint should be kept at room temperature to aid easy application. The moisture in the wood must be carefully examined and it must not exceed 15% for undressed wood. Roller, brush or airless spraying can be used for application. Consult Protega AB or retailer for recommended type of tools. NOVATHERM 2FR should be well stirred before application. Tools can be cleaned in water.

DRYING TIME

At a temperature of min. +23°C and an air humidity of max. 50%, following is applicable:

- 8 hours for each layer of coating.
- Dry to be sealed with approved topcoat after 48h.

PROTECTIVE MEASURES

Preventive measures: Avoid contact with skin and eyes.

Personnel safety devices: At handling where prolonged or repeated direct contact cannot be excluded protective gloves should be worn. Protective glasses are recommended when there is a risk of splashes. To avoid other types of direct contact suitable protective clothes are recommended. See further Safety Data Sheet.



PACKING

Plastic bucket containing 12.5 kg 44 pc/pallet

ADDITIONAL DATA

<i>Viscosity:</i>	High viscosity
<i>Flash point:</i>	Non-combustible
<i>Specific gravity:</i>	1.3
<i>Non.vol.contnt:</i>	70%
<i>Thickness:</i>	500 g/m ² wet paint will give 385 µm wet thickness and 265 µm dry thickness.
<i>Thinner:</i>	Water
<i>Storage:</i>	12 months for unopened packing.

MUST BE PROTECTED AGAINST FROST

Structural wood R30-R60

wet paint quantity (g/m ²)	wet film (µm)	dry film (µm)
500	385	265
750	578	398
1000	770	530
1250	963	663
1500	1155	795

EMISSION RESULTS

Compounds	Emissions level 28 days µg/m ³ h
TVOC	<10
Carcinogenics	<1
VOC with LCI	8
VOC without LCI	<2
VVOC	<4
SVOC	<2

Emission measurement according accredited ISO 16000-9:2006 Indoor air - Part 10 in combination with testing method ISO 16000-3:2011.

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